

TMB 064 – POTASSIUM PHOSPHATE MONOBASIC (ANH.)

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| REF NO: TBL/QA/SS/LC/TMB 064 | STANDARD SPECIFICATION FOR POTASSIUM PHOSPHATE MONOBASIC (ANH.) | Rev. No: 03 |
| Issue No: 04 | | Review Date: 06/02/2025 |
| Issue Date: 07/02/2022 | | Product code: TMB 064 |

PRODUCT PROPERTIES

| | |
|--------------------|---|
| C.A.S Number | 7778-77-0 |
| Chemical Formula | KH ₂ PO ₄ |
| Formula weight | 136.09 |
| Functional Uses | Potassium phosphate monobasic and dibasic, are used to create phosphate buffered solutions such as potassium phosphate buffered water and saline solutions used in biological applications. |
| Standard Packaging | 100 gm. & 500 gm. |

PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|---------------------------|
| Appearance | White crystalline powder. |
| Solubility | Soluble in water. |

CHEMICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|---------------|
| pH (10% in water) | 4.2-4.6 |
| Chloride (Cl) | NMT – 0.0005% |
| Iron (Fe) | NMT – 0.0005% |
| Lead (Pb) | NMT – 0.0005% |
| DNase activity | Not detected |
| RNase activity | Not detected |
| Assay | NLT – 99.0% |

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.